

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 April 2004 (29.04.2004)

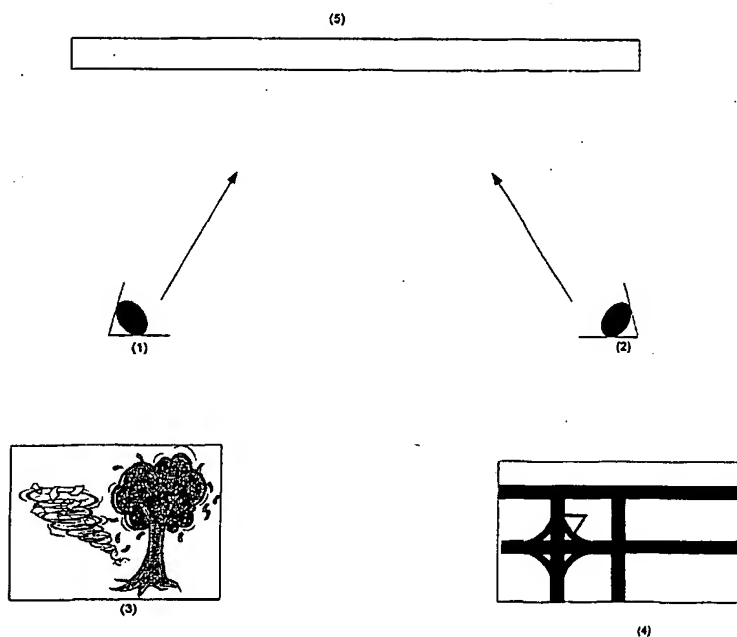
PCT

(10) International Publication Number  
**WO 2004/036286 A1**

- (51) International Patent Classification<sup>7</sup>: **G02B 27/02**, G02F 1/1335, 1/1347, G09F 19/14
- (21) International Application Number: **PCT/NZ2003/000215**
- (22) International Filing Date:  
19 September 2003 (19.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
521505 20 September 2002 (20.09.2002) NZ
- (71) Applicant (for all designated States except US): **DÉEP VIDEO IMAGING LIMITED [NZ/NZ]**; c/Lowndes Associates, P.O. Box 7311, Wellesley St., Auckland (NZ).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **ENGEL, Gabriel, Damon [NZ/NZ]**; P.O. Box 1299, London St., Hamilton (NZ).
- (74) Agent: **MACFARLANE, Rodney**; Deep Video Imaging Limited, c/Lowndes Associates, PO Box 7311, Wellesley St., Auckland (NZ).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report

[Continued on next page]

(54) Title: **MULTI-VIEW DISPLAY**



(57) Abstract: A multi view display (5) provides different viewing angles for different images (3, 4). The display (5) may comprise a single screen on which two or more images (3, 4) are interleaved, or a number of overlapping screens on which respective images (3, 4) are displayed. Viewing manipulation means such as privacy films or lenticular arrays control the viewing angles for each image (3, 4). The multiview display (5) may be used in a vehicle, to simultaneously display a movie (3) to a passenger (1), and a navigation image (3) to a driver (2).

**BEST AVAILABLE COPY**

WO 2004/036286 A1